

## BPC75 SERIES PROGRAMMABLE CMOS OSCILLATOR - 7.0 x 5.0 x 1.7mm

Frequency Range	10.000MHz to 200.000MHz		
Supply Voltage $\pm 5\%$	1.8V	2.5V	3.3V
Current Consumption	10.000 to 130MHz 15mA	10.000 to 160MHz 25mA	10.000 to 200MHz 30mA
Temperature Range	-20 °C to +70 °C or -40 °C to +85 °C		
Operating Storage	-55 °C to +125 °C		
Frequency Stability	$\pm 25$ ppm to $\pm 50$ ppm		
Output Load Condition (CMOS)	15pF		
Symmetry (Duty Cycle)	45% to 55%		
Output Rise / Fall Time (tr/ff)	4ns max (1MHz ~ 80MHz) / 3ns (80.001MHz ~ 200MHz)		
High Output Voltage	90% Vdd ~ 2.4V min		
Low Output Voltage	10% Vdd ~ 0.4V max		
Pin 1 Tri-state	Output Enable Voltage	No Connection	
	Output Enable Voltage	70% Vdd	
	Output Disable Voltage	30% Vdd	
Oscillation Start Up Time	5ms max		
Aging	$\pm 3$ ppm max		
Period Jitter (Pk to Pk)	$\pm 80$ ps max		
Note 1	Inclusive of calibration, temp stability, supply change, load change, shock and vibration, and 5 years aging		

## PART NUMBERING GUIDE

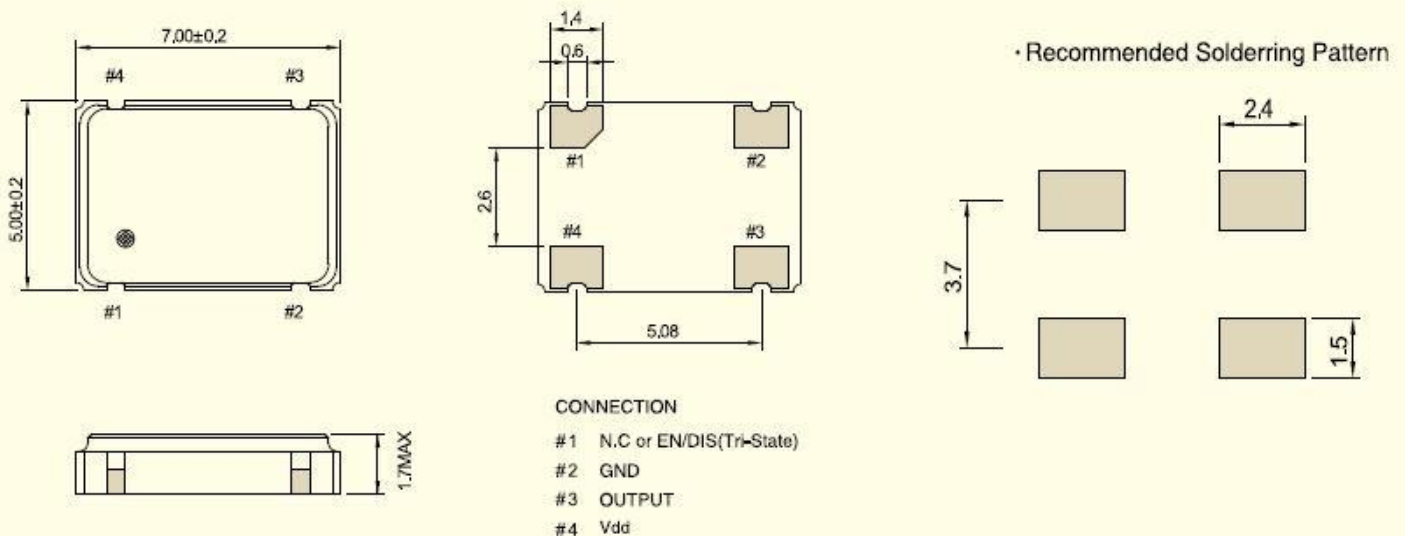
Series	Voltage	Temperature Range/Stability	Frequency
BPC75	1.8V = 1	-20 °C to +70 °C /25 ppm = A	25M000
	2.5V = 2	-40 °C to +85 °C /25 ppm = B	
	3.3V = 3	-20 °C to +70 °C /50 ppm = C	
		-40 °C to +85 °C /50 ppm = D	

For other Tolerance, Stability, and Temperature options please consult factory

**Example P/N: BPC75 – 3 – B –25M000**

To Request a Quote click here - [www.beckelec.com/request-a-quote/](http://www.beckelec.com/request-a-quote/)

## MECHANICAL DRAWING



6718 N. 59th Avenue, Glendale, AZ 85301 ▪ Phone: 623-435-6555

Website: [www.beckelec.com](http://www.beckelec.com) ▪ Email: [sales@beckelec.com](mailto:sales@beckelec.com)